



# Lock & Dam 11, Mississippi River, Iowa (Major Rehabilitation/Major Maintenance)

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG ®

## Location

Dubuque, Iowa

## State(s)

IA, IL

## Congressional District(s)

IA-1, IL-16, WI-3

## Status

The Stage III-A contract was completed in 2012. The contract included replacing tainter gate chains, rehabilitating roller gate chains, rehabilitating dam gate motors, and replacing the service bridge decking. The Stage III-B contract (ARRA funded) was also completed in 2012. The contract included concrete repairs on the dam. The Stage III-C contract (O&M funded) will include structural repairs and painting of the dam gates and service bridge, and is currently on hold due to insufficient funding.



## Description

Lock and Dam 11 is located at River Mile 583.0, in the town of Dubuque, Iowa. The structure was placed in operation 14 September 1937. The lock chamber is 600 feet long by 110 feet wide and has a maximum lift of 11 feet. An auxiliary lock is located adjacent to the Iowa side of the channel. The dam is 5,018 feet long and consists of a 1,278-foot gated section, a 200-foot long storage yard, and a 3,540-foot non-overflow earth dike. Breakdowns of mechanical and electrical equipment had become more frequent with resultant delays and loss of revenue to commercial waterway users. The electrical system presents safety concerns due to its age and insulation deterioration. The lock and dam rehab project first received funding by a Congressional add in FY02 and will be completed in three stages.

- Stage I, Dam Scour Protection, involved placing additional scour protection upstream and downstream of the dam. The construction contract was awarded in July 2002 and completed in August 2003.
- Stage II, Lock, involved the rehabilitation of the navigation lock chamber and associated appurtenances. Major work items included resurfacing the lock chamber, replacing the original lock machinery and electrical systems, bulkhead slots, repairing guidewall concrete, repairing tainter valves, and replacing the dam electrical system. Work was complete in June 2009.
- Stage III, Dam, involves the rehabilitation of the navigation dam. Work includes rehabilitation of the dam gate machinery and concrete. Contracts for this work are substantially complete. Structural repairs to the dam gates and service bridge are currently unfunded.

## Summarized Project Costs

Updated on 2015-Dec-14

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**U.S. ARMY CORPS OF ENGINEERS - ROCK ISLAND DISTRICT**

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	Rehabilitation	Major Maintenance
Estimated Federal Cost	\$46,203,000	\$27,680,000
Estimated Non-Federal Cost		
Estimated Total Cost	\$46,203,000	\$27,680,000
Allocations through FY 2015 including ARRA	\$46,203,000*	\$14,680,000**
FY 2015 Allocation	\$ 0	\$ 0
Budget for FY 2016	\$ 0	\$ 0
Balance to Complete	\$ 0	\$13,000,000

\*\$3,615,000 ARRA Funds \*\*\$1,237,000 ARRA Funds

## **Additional Project Information**

Additional O&M funds in FY2015 could be used to prepare Plans and Specifications for Stage III-C for the dam gate and service bridge repairs.

## **Major Work Item (This Fiscal Year)**

None.

## **Major Work Item (Next Fiscal Year)**

If funds were available, Plans and Specifications for the Stage III-C construction contract could be developed.

## **Authority Details**

River and Harbor Act of 1930, S.D. #126/71/2.

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